

**REMARKS**

In the above-mentioned Office Action, all of the pending claims, claims 1-20, were rejected. Claims 1-4, 11-17, and 20 were rejected under §103(a) over the combination of *Sunwoo* and *Nysen*. Claims 5-10, 18, and 19 were rejected under §103(a) over the combination of *Sunwoo*, *Nysen*, and *Tateishi*.

In response to the rejections of the claims, independent claims 1, 14, and 20 have been amended as set forth herein in manners believed better to distinguish the invention of the present application over the cited combination of references used thereagainst.

With respect to exemplary claim 1, the claim has been amended to recite a non-desired component indicia detector that detects an indicia of the non-desired component of the received signal, irrespective of power levels of the non-desired component. Claims 14 and 20 have been analogously amended.

The Examiner asserts that *Sunwoo* discloses a desired component indicia detector 14 in Figure 1. And, while the Examiner acknowledges that *Sunwoo* fails to disclose that the asserted desired component indicia detector can be implemented as a non-desired component indicia detector, the Examiner relies upon *Nysen* for disclosing a non-desired component indicia detector in block 126 of Figure 6.

As now amended, the recitation, in claim 1 of the non-desired component indicia detector is believed to be patentably distinguishable over both *Sunwoo* and *Nysen*, alone, or in any combination. Review of *Sunwoo* indicates that a power calculations circuit 15 and a threshold

circuit 12 operates upon the signal  $m(k)$  such that pulses are generated by the threshold circuit 12 when the value of  $mp(k)$  exceeds a threshold value (column 1, lines 45-48). As now recited, the non-desired component indicia detector detects the indicia of the non-desired component irrespective of the power levels of the component.

And, with respect to *Nysen*, review of the reference indicates that the signal applies to the zero crossing detectors 126 of the apparatus 119 (Figure 6) it is not that of a receive signal received at a radio device. Rather, it appears that the signal applied to the zero crossing detector is a filtered representation of signal  $S_7$ . Column 6, lines 34-36 indicate that this signal contains the sum and difference frequencies of a delayed and an undelayed VCO signals generated by the VCO 92. *Nysen* therefore also fails to disclose the non-desired component indicia detector that is coupled to receive indications of the receive signal, recited now in the claims, as amended. Additionally, *Tateishi* was cited merely for showing a digitizer. This reference, therefore, also fails to disclose the invention, as now-recited. And, now combination with *Nysen* and *Sunwoo* can be made to form the invention, as now-recited.

As the dependent claims include all of the limitations of their respective parent claims, these claims are believed to be patentably distinguishable over the cited combinations of references for the same reasons as those given with respect to their parent claims.


In light of the foregoing, independent claims 1, 14, and 20, as now-amended, and the dependent claims dependent thereon are believed to be in condition for allowance. Accordingly,

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reexamination and reconsideration for allowance of these claims is respectfully requested. Such  
early action is earnestly solicited.

Respectfully submitted,

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